

FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No.	Serial No.
		01,099	09/834,593
		RECEIVED	
		JAN 23 2002	
		Applicant: Technology Center 2600 Rudger Rubbert	
		Filing Date: 04/13/01	Group: 2621



U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation
							Yes
							No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

		Charles A. Pelizzari et al., "Accurate Three-Dimensional Registration of CT, PET, and/or MR Images of the Brain", <i>Journal of Computer Assisted Tomography</i> , 13(1):20-26, January/February, 1989.
		Klaus D. Tönnies et al., "Registration of 3D Objects and Surfaces", <i>IEEE Computer Graphics & Applications</i> , 1990, pages 52-62.
		Behrooz Kamgar-Parsi et al., "Registration of Multiple Overlapping Range Images: Scenes without Distinctive Features", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , Vol. 13, No. 9, September 1991, pages 857-871.
		Hui Li et al., "Registration of 3-D Multimodality Brain Images by Curve Matching", <i>IEEE</i> , 1994, pages 1744-1748.
		Jean-François Mangin et al., "Nonsupervised 3D Registration of PET and MRI Data Using Chamfer Matching", <i>IEEE</i> , 1993, pages 1262-1264.
EXAMINER		DATE CONSIDERED 1/26/02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

FORM PTO-1449 (Rev. 2-32)		U.S. Department of Commerce Patent and Trademark Office	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Atty. Docket No.	Serial No.
		01-099	09/834,593
		Applicant: Rudger Rubbert, et al	
		Filing Date: 04/13/01	Group: 2621

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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
d	4,185,918	01/29/80	DiMatteo et al.	356	375	
d	4,825,263	04/25/89	Desjardins et al.	356	376	
d	4,867,570	09/19/89	Sorimachi et al.	356	376	
d	6,227,851	05/08/01	Chishti et al.	433	24	

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FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
d	DE 44 3 6 5 0 0	05/11/95	Europe				X*
d	DE 19 6 3 8 72 7	03/19/98	Germany			X	
d	EP 0 2 9 45 7 7	04/26/87	Europe			X	
d	CA 21 6 3 9 3 4	05/30/96	Canada			X	

*Statement of Relevance attached.

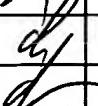
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

<i>d</i>	<i>d</i>	Optical Engineering, Vol. 33, No. 6, Yee et al., "Three-dimensional Imaging System", pp. 2070-2075, June 1994
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EXAMINER	<i>d</i>	DATE CONSIDERED
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U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
		4,634,278	01/06/87	Ross et al.	356	376	
		5,604,817	02/18/97	Massen et al.	382	120	
		5,338,198	08/16/94	Wu et al.	433	213	

FOREIGN PATENT DOCUMENTS							
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							Yes

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

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STATEMENT BY APPLICANT

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Applicant:
Rudger Rubbert et al.Filing Date:
04/13/01Group:
2621

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
CA	Re. 35,816	06/02/98	Schulz	356	608	
	4,286,852	09/01/81	Stern et al.	396	106	
	4,294,544	10/13/81	Altschuler et al.	356	610	
	4,508,452	04/02/85	DiMatteo et al.	356	610	
	4,616,121	10/07/86	Clocksin et al.	219	124.34	
	4,745,469	05/17/88	Waldecker et al.	348	094	
	4,935,635	06/19/90	O'Harra	250	559.06	
	5,028,799	07/02/91	Chen et al.	250	561	
	5,098,426	03/24/92	Sklar et al.	606	5	
	5,131,844	07/21/92	Marinaccio et al.	433	72	
	5,214,686	05/25/93	Webber	378	38	
	5,243,665	09/07/93	Maney et al.	382	152	
	5,347,454	09/13/94	Mushabac	433	214	
	5,513,276	04/30/96	Theodoracatos	382	154	
	5,724,435	03/03/98	Malzbender	382	103	
	5,823,778	10/20/98	Schmitt et al.	433	214	
	5,848,115	12/08/98	Little et al.	378	4	
	5,880,961	03/09/99	Crump	700	112	
↓	5,886,775	03/23/99	Houser et al.	356	4.01	
	5,985,495	11/16/99	Okumura et al.	430	22	

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**U.S. Department of Commerce
Patent and Trademark Office**

Atty. Docket No.

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Applicant:
Rudger Rubbert et al.

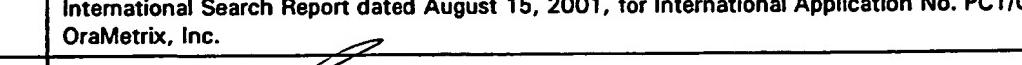
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04/13/01

Group:
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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
		5,988,862	11/23/99	Kacyra et al.	703	6	
		5,991,437	11/23/99	Migdal et al.	382	154	
		6,088,695	07/11/00	Kara	707	10	
		6,100,893	08/08/00	Ensz et al.	345	420	
		6,124,934	09/26/00	Shahar et al.	356	624	
		6,139,499	10/31/00	Wilk	600	443	
		6,167,151	12/26/00	Albeck et al.	382	154	
		6,201,546	03/13/01	Bodor et al.	345	430	
		6,205,716	03/27/01	Peltz	52	36.2	
		6,211,506	04/03/01	Pryor et al.	250	208.1	
		6,217,334	04/17/01	Hultgren	433	215	
		6,253,164	06/26/01	Rohm et al.	703	2	

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		International Search Report dated August 15, 2001, for International Application No. PCT/US01/12107 of OraMetrix, Inc.
EXAMINER		
	DATE CONSIDERED 	

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		01,099	09/834,593
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>RECEIVED</i> (Use several sheets if necessary)		Applicant: Rudger Rubbert et al.	
FEB 20 2001 Technology Center 2200		Filing Date: 04/13/01	Group: 2621



U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	5,715,166	02/03/98	Besl et al.	364	474.24	
	5,742,294	04/21/98	Watanabe et al.	345	425	

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

EXAMINER	DATE CONSIDERED <i>1/25/03</i>		

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FORM PTO-1449 (Rev. 2-92)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No.	Serial No.
<i>C-7 P E JCS 4-1</i>	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	01,099	09/834,593
		Applicant: Rudger Rubbert et al.	
		Filing Date: 04/13/01	Group: 2621

U.S. PATENT DOCUMENTS

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						RECEIVED
						Oct 08 2002

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FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>[Signature]</i>	S.M. Yamany and A.A. Farag, "A System for Human Jaw Modeling Using Intra-Oral Images" in Proc. IEEE Eng. Med. Biol. Soc. (EMBS) Conf., Vol. 20, Hong Kong, Oct. 1998, pp. 563-566.
<i>[Signature]</i>	S.M. Yamany, A.A. Farag, David Tasman, A.G. Farman, "A 3-D Reconstruction System for the Human Jaw Using a Sequence of Optical Images," IEEE Transactions on Medical Imaging, Vol. 19, No. 5, May 2000, pp. 538-547.
EXAMINER	DATE CONSIDERED <i>1/25/05</i>

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Substitute for form 1449 PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

<i>Complete if Known</i>	
Application Number	09/834,593
Filing Date	Apr. 13, 2001
First Named Inventor	Ruedger Rubbert
Art Unit	2625
Examiner Name	Barry Choobin
Attorney Docket Number	01-099

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¹EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ²Applicant's unique citation designation number (optional). ³See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ⁴Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁷Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FORM PTO-1449
(Rev. 2-32)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

Serial No.

01,099

09/834,593

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Applicant:
Rudger Rubbert et al.

Filing Date:
04/13/01

Group:
2621



U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>oh</i>	5,444,481	08/22/95	Ohshima et al.	348	187	RECEIVED
						DEC 30 2002

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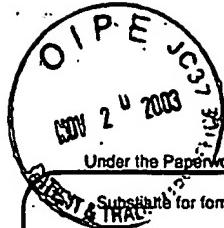
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PTO/SB/08A (08-03)

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Approved for use through September 30, 2003. GPO:2001-093.

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Subpart B for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

Complete if Known

Application Number	09/834,593
Filing Date	Apr. 13, 2001
First Named Inventor	Ruedger Rubbert
Art Unit	2621
Examiner Name	
Attorney Docket Number	01-099

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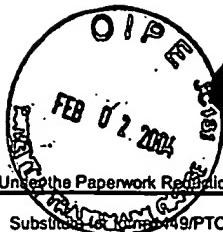
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Substitution-10/2010-449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

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Attorney Docket Number	01-099

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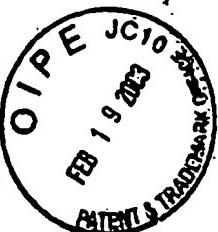
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	6,407,735	06/18/02	Kressin	345	420	
	5,937,083	08/10/99	Ostuni	382	131	
	6,047,078	04/04/00	Kang	382	107	
	6,363,163	03/26/02	Xu et al.	382	130	
	6,434,265	08/13/02	Xiong et al.	382	154	
	6,434,278	08/13/02	Hashimoto	382	285	

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